

**ABSTRACT OF THE DISCLOSURE**

N binary signals are transmitted through a bus of m leads, where  $m < n$ , at the rhythm of a train of clock pulses by encoding a first signal on a second signal. The encoding provides for the information associated with the first signal to be included in the second signal within a predetermined time interval of the clock period preceding each reading clock pulse. In this way  
5 one obtains a reduction of the switching activity on the bus and therefore a reduction of the energy consumption.